

Figure 2

VecTest™

INTERPRETATION OF RESULTS:

Positive for different analytes:

	Negative	<i>Pf</i>	<i>Pv 210</i>	<i>Pv 247</i>	<i>Pf</i>	<i>Pv 210</i>	<i>Pv 247</i>
					■	■	■

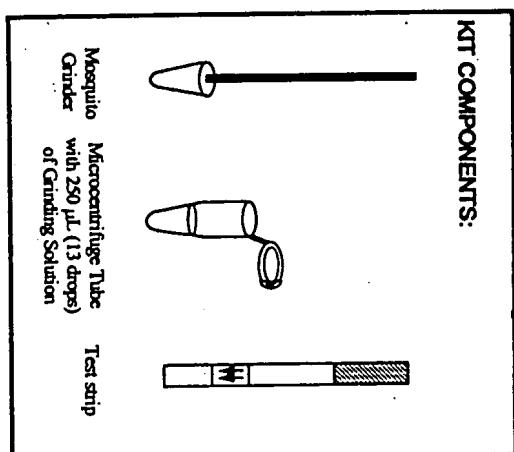
MALARIA Sporozoite Antigen Panel Assay

- *Plasmodium falciparum*
- *Plasmodium vivax 210*
- *Plasmodium vivax 247*

Store at room temperature

FOR INVESTIGATIONAL USE ONLY

NAVIX
Medical Analysis Systems, Inc.
524 Flynn Road, Camarillo, CA 93012



PROCEDURE:

PREPARE MOSQUITOES FOR TEST → HOMOGENIZE SAMPLE →

REMOVE THE GRINDER, PLATE DIPSTICK IN THE SAMPLE TUBE SHOWN IN THE FIGURE

Signal pattern:

Control →
Pf →
Pv 210 →
Pv 247 →

Place your test strip in the box for comparison

PLACE MOSQUITO PARTS (HEAD AND THORAX) INTO THE GIVEN TUBES WITH 250 µL (13 DROPS) OF GRINDING SOLUTION

WAIT 15 MINUTES BEFORE READING RESULTS

- The test should be interpreted positive only if at least two lines appear on the strip.
- The test is negative if only one line (control) develops on the strip.
- Discard strip if no line develops. The test result is not valid if control line does not develop.

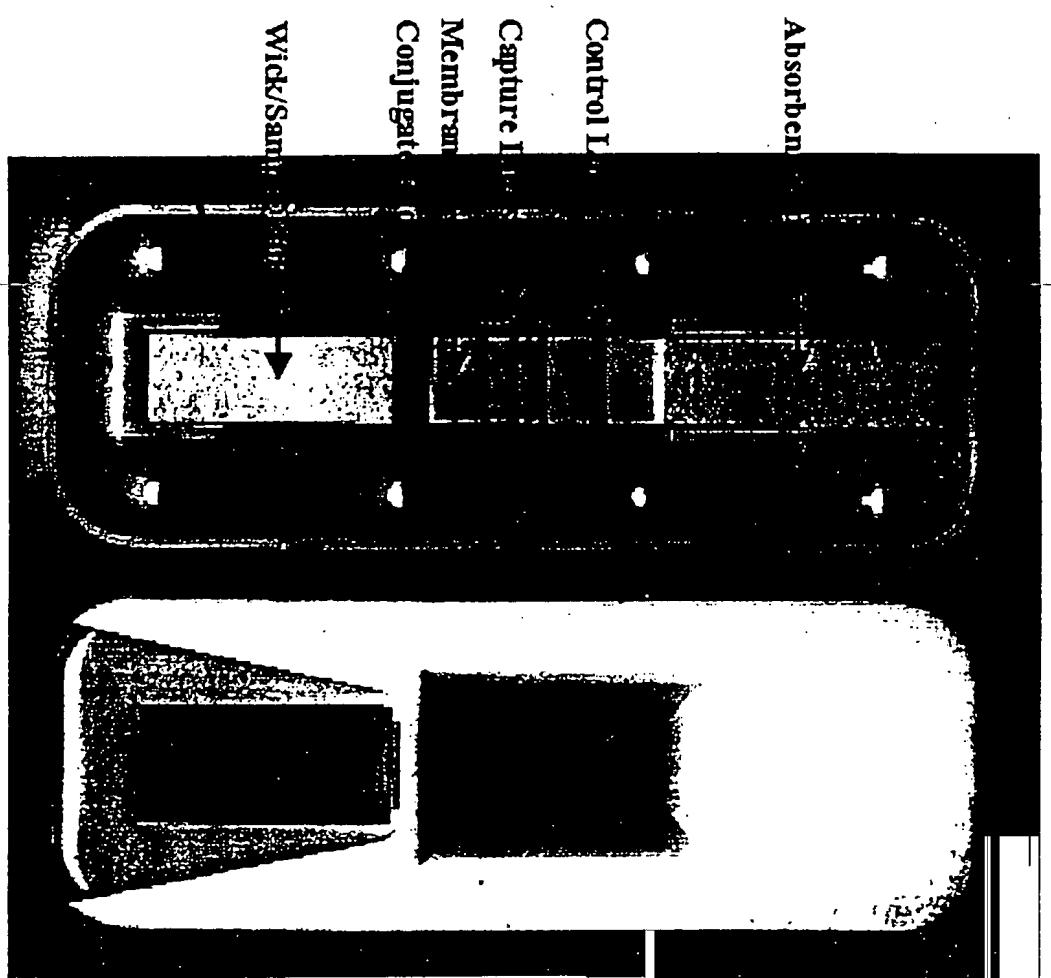
Figure 3:

A

B

C

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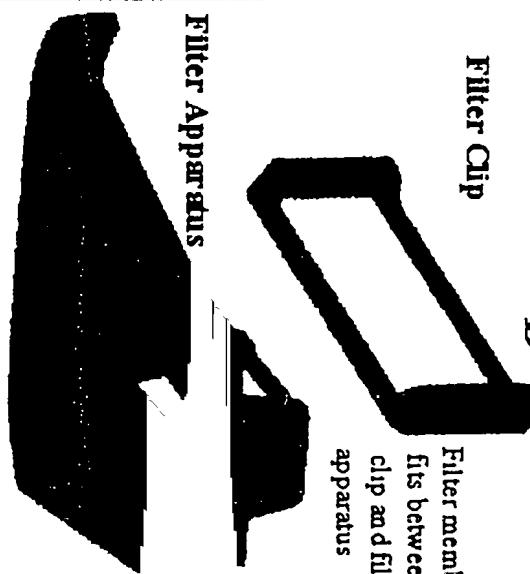
Bottom View

Top View

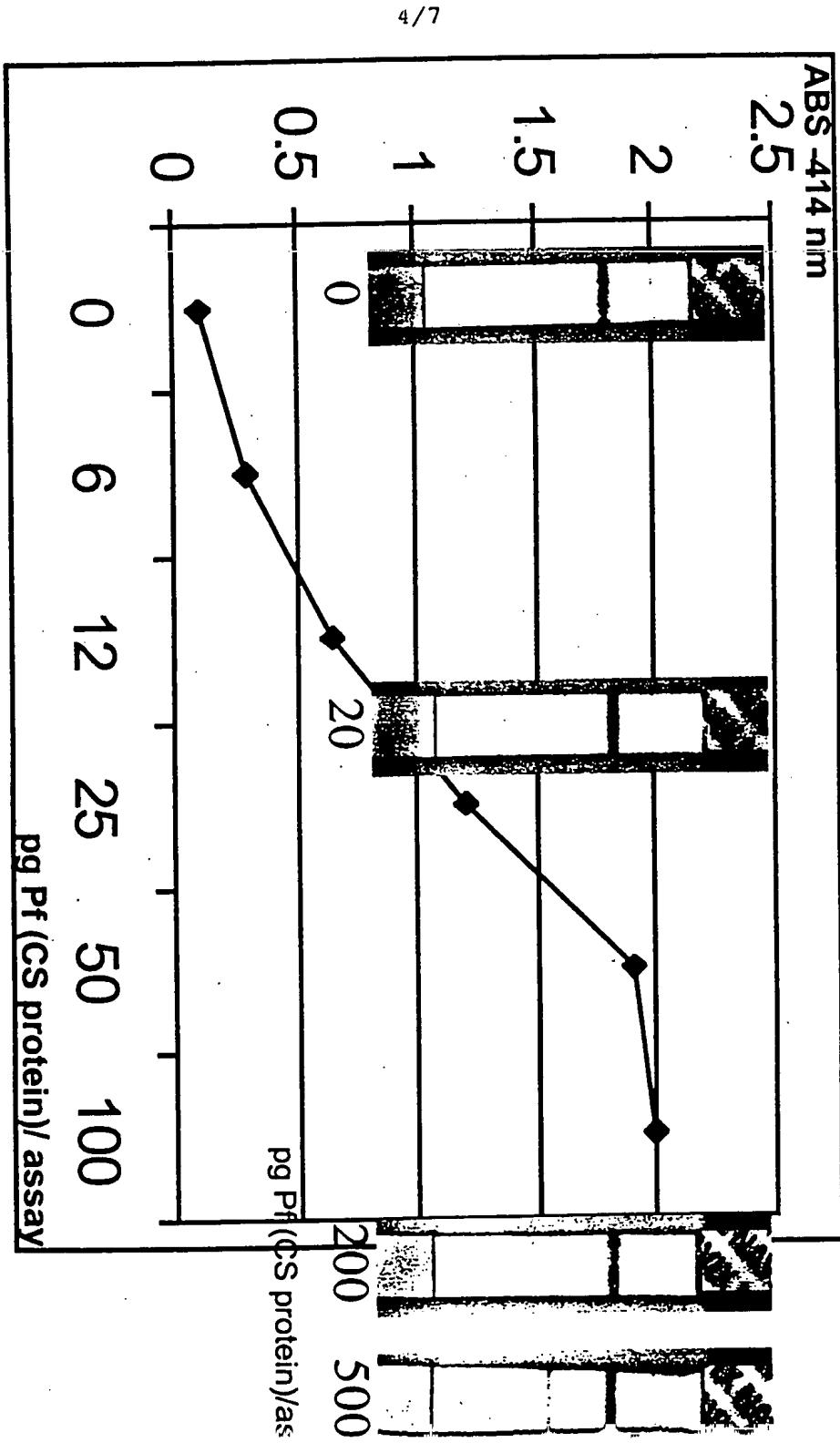
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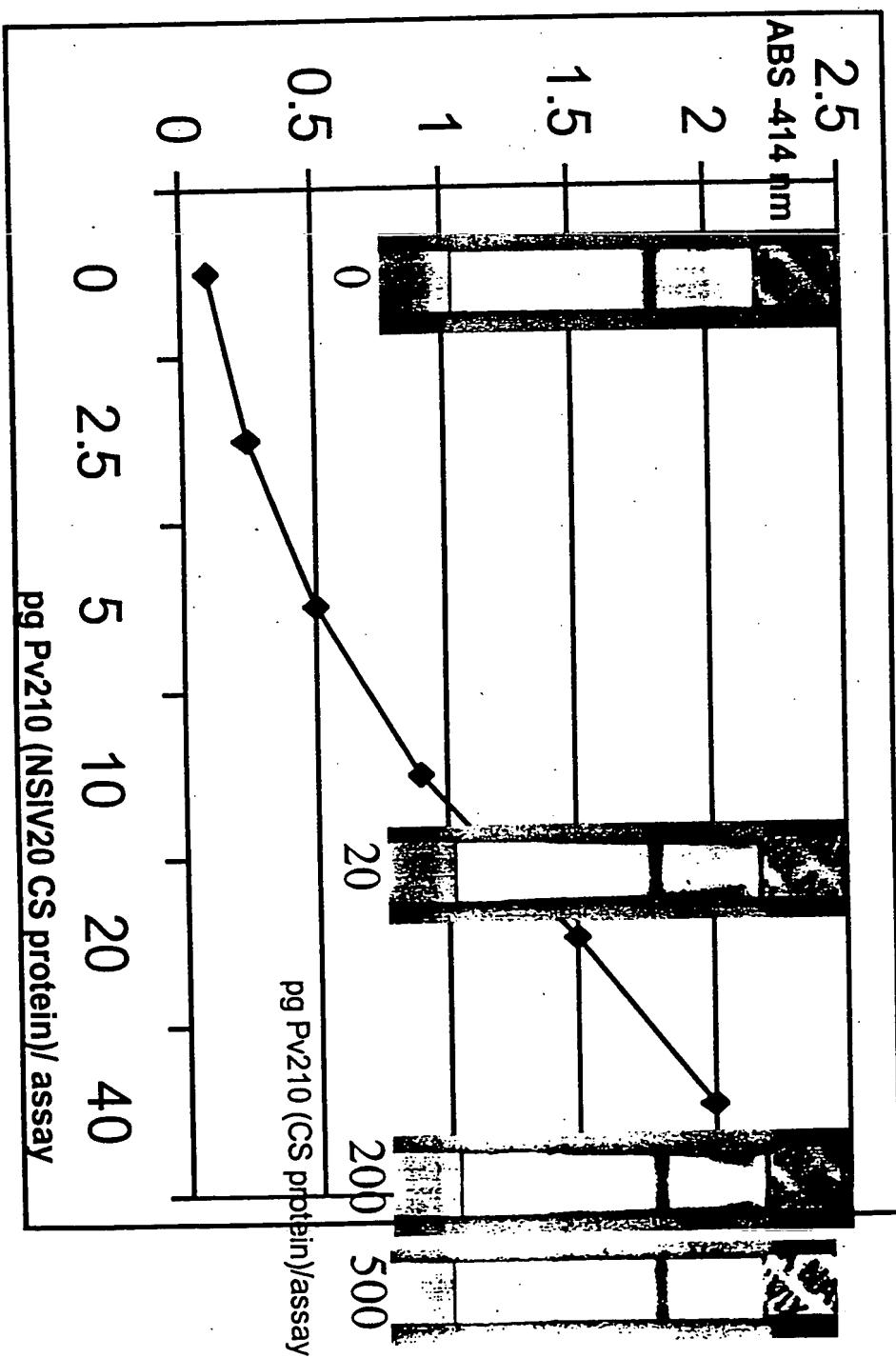


Plasmodium falciparum CS Protein Detection
ELISA versus Dipstick: Figure 4

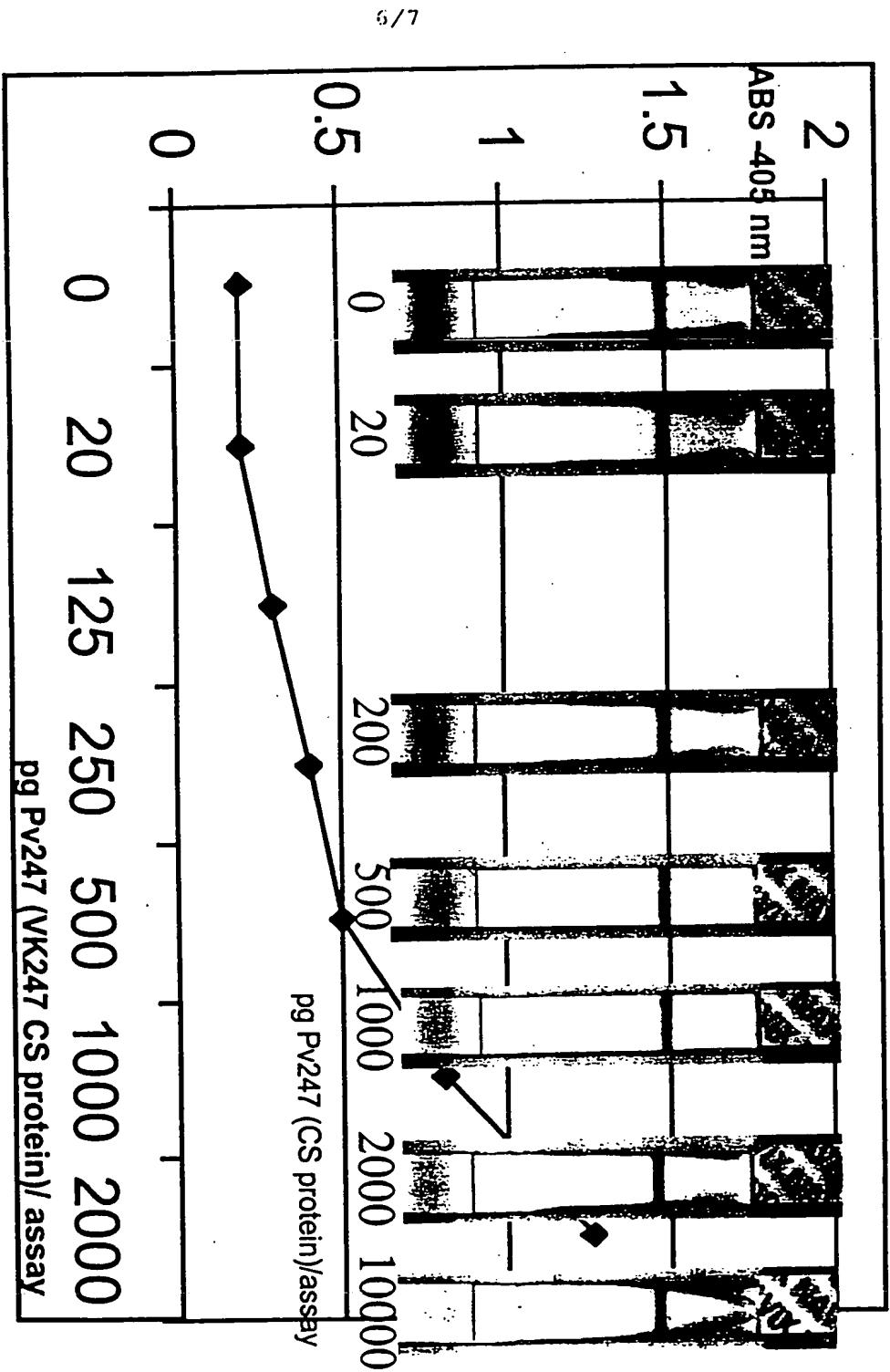


Plasmodium vivax 210 CS Protein Detection
ELISA versus Dipstick: Figure 5

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Plasmodium vivax 247 CS Protein Detection
ELISA versus Dipstick: Figure 6

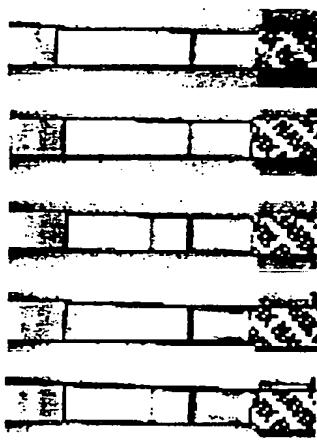


Panel Dipstick Detection of *Plasmodium* Sporozoites in Infected Mosquitoes: Figure 7

Mosquito (MQ) extract:

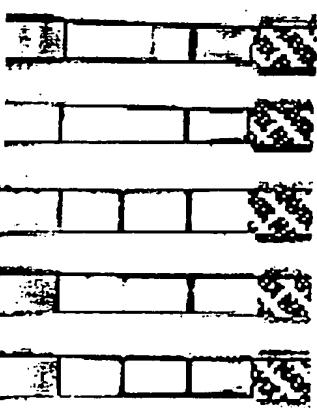
Pf infected mosquitoes

1MQ, 1MQ, 2MQ, 3MQ, 5MQ



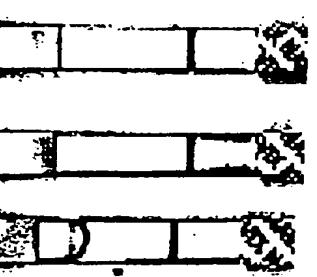
Pv210 infected mosquitoes

1MQ, 1MQ, 2MQ, 3MQ, 5MQ



Pv247 infected mosq.

1MQ, 3MQ, 5MQ



>400 300 >400 30 300

0 0 400 35 75

12.5 <12.5 50

Pf sporozoites
(ELISA result)

Pv210 sporozoites
(ELISA result)

Pv247 sporozoites
(ELISA result)

Sensitivity in ELISA:

~25-50 Pf sporozoites

~25-50 Pv210 sporozoites

~50 Pv247 sporozoites